

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

ORIGINAL
FIELD NOTES

OF

THE DEPENDENT RESURVEY OF

A PORTION OF THE WEST BOUNDARY,

A PORTION OF THE SUBDIVISIONAL LINES

AND

PORTIONS OF BIG COTTONWOOD MINING DISTRICT MINERAL SURVEYS:
LOT 180, M.S. 5581 (NOT PATENTED), M.S. 5749, AND M.S. 6188

IN

TOWNSHIP 2 SOUTH, RANGE 3 EAST

OF THE SALT LAKE MERIDIAN
IN THE STATE OF UTAH

EXECUTED BY

Sandra Lewis, Lead Land Surveyor

AND

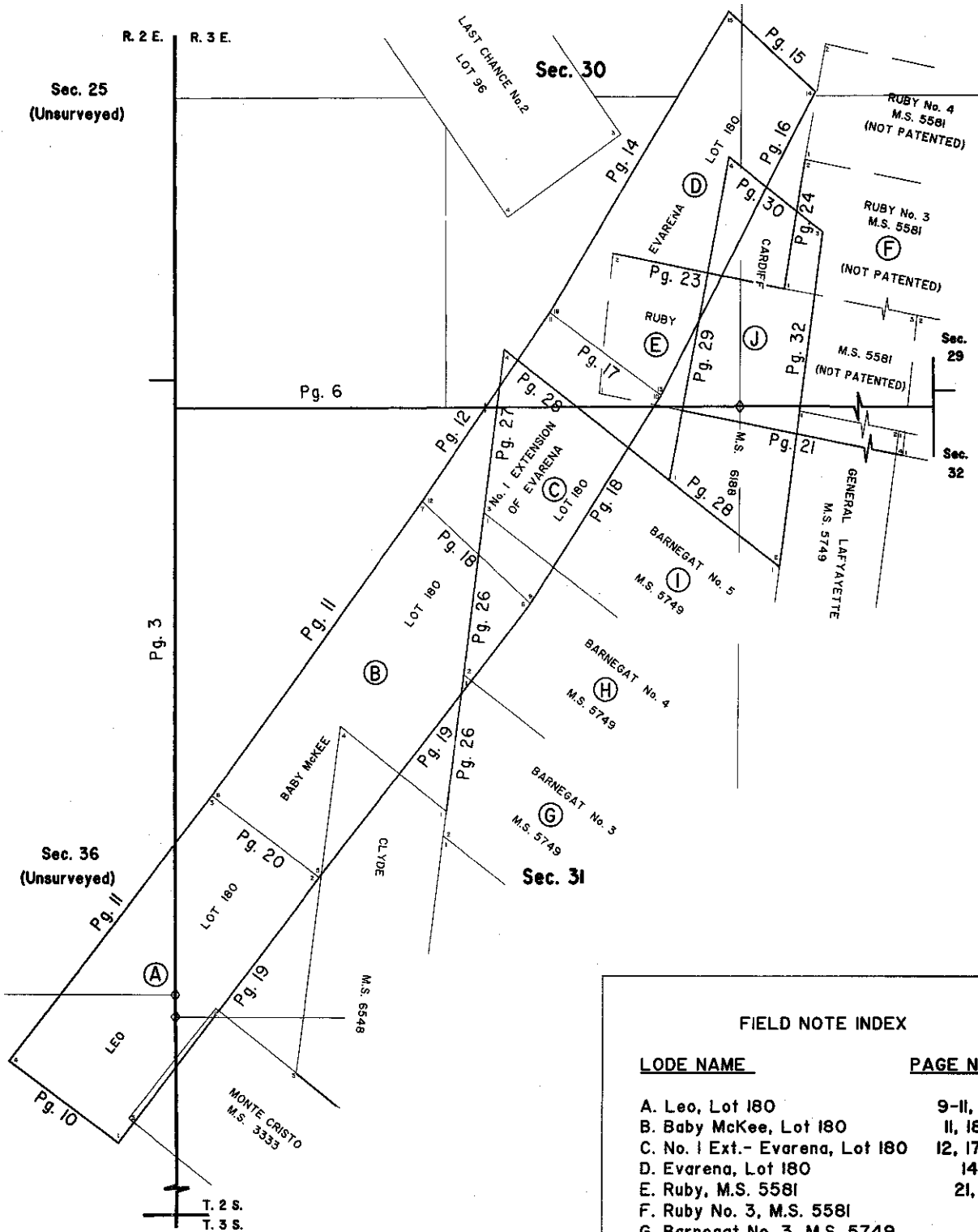
William G. Dempsey, Principal Assistant Surveyor

Under special instructions dated and approved ***September 26, 2003***, which provided for the surveys included under Group Number ***970*** and assignment instructions dated ***September 26, 2003***

Survey commenced ***October 8, 2003***
Survey completed ***October 29, 2003***

INDEX DIAGRAM

Township 2 South, Range 3 East



FIELD NOTE INDEX

CODE NAME	PAGE NO.
A. Leo, Lot 180	9-11, 20
B. Baby McKee, Lot 180	11, 18-19
C. No. 1 Ext.- Evarena, Lot 180	12, 17-18
D. Evarena, Lot 180	14, 17
E. Ruby, M.S. 5581	21, 23
F. Ruby No. 3, M.S. 5581	24
G. Barnegat No. 3, M.S. 5749	26
H. Barnegat No. 4, M.S. 5749	26
I. Barnegat No. 5, M.S. 5749	27-28
J. Cardiff, M.S. 6188	28-32

The following Field Notes describe the Dependent Resurvey of a portion of the West boundary, a portion of the Subdivisional Lines, and portions of Big Cottonwood Mining District Mineral Surveys: Lot 180, M.S. 5581, M.S. 5749, and M.S. 6188, in T. 2 S., R. 3 E., Salt Lake Meridian, Utah.

History of Surveys

Surveyed by			Retr. or Resurveyed by	
SOUTH BOUNDARY				
Portion	F. Dickert	1871		
All	A.P. Hansen	1902	A.P. Hansen	1902
Portion	(Exchange Survey)		C.J. Truscott	1938
All			R. Gentry, et al.,	1938 to 1944
EAST BOUNDARY				
Portion	J. Gorlinski	1869		
Portion	J.C. Freeman	1871		
Portion	A.J. Stewart Jr.	1897		
All			A.P. Hansen	1902
All			R. Gentry, et al.,	1938 to 1944
WEST BOUNDARY				
All	A.P. Hansen	1902		
Portion			A.D. Ferron	1905
All			R. Gentry, et al.,	1938 to 1944
NORTH BOUNDARY				
All	R. Gorlinski	1894		
All			A.P. Hansen	1902
All			R. Gentry, et al.,	1938 to 1944
SUBDIVISION				
Portion	J.E. Freeman	1871		
Portion	A.P. Hansen	1902	A.P. Hansen	1902
All			R. Gentry, et al.,	1938 to 1944
Exchange Survey			C.J. Truscott	1938

T. 2 S., R. 3 E., SALT LAKE MERIDIAN, UTAH

The survey was executed in accordance with the specifications set forth in the Manual of Surveying Instructions, 1973 and the Special Instructions for Group No. 970, dated September 26, 2003.

Preliminary to the Dependent Resurvey, the lines of the original and prior surveys were retraced and a search was made for all corners and their calls of record. Identified corners were remonumented in their original positions. Lost corners were reestablished and remonumented at proportionate positions based on the official record. The retracement data was thoroughly verified and only the true line Field Notes are given therein.

The true meridian direction and length of all lines were determined by Global Positioning System (GPS) utilizing Real Time Kinematics (RTK) observations using a Trimble 5700 model receiver.

Project Elevation: 9,000 feet.

Geodetic control was derived from Global Positioning System (GPS) Static observations, post processed by the National Geodetic Survey, Online Positioning User Service (OPUS), utilizing Continuously Operating Reference Stations (CORS) at Salt Lake City (SLCU), Midvale (MIDV), and Red Butte (RBUT).

The geographic position of the corner of Townships 2 and 3 South and Ranges 2 and 3 East is as follow:

North American Datum of 1983, NAD, 1983 (1994)
Latitude: 40° 35' 36.0382" North
Longitude: 111° 39' 45.3290" West
Elevation: 10,435 feet

T. 2 S., R. 3 E., SALT LAKE MERIDIAN, UTAH

Dependent Resurvey of a Portion of the West Boundary,
Township 2 South, Range 3 East
Salt Lake Meridian, Utah

Reestablishment of the Survey executed by A.P. Hansen in 1902,
and the Dependent Resurvey by R. Gentry, et al. in 1938

Beginning at the corner of Townships 2 and 3 South and Ranges 2 and 3 East, monumented with an iron post, 3 inches in diameter, firmly set, encircled by a mound of stones, 4 ft. base, 1 1/2 ft. high, to the top of the brass cap marked as described in the official record of the 1938 Dependent Resurvey:

	T2S	
R2E	S 36	R3E
	S 1	
	S 6	
	T3S	
	1938	

NAD 83, Latitude: 40°35'36.0382" N., Longitude: 111°39'45.3290" W.

From which the original 1938 bearing object and trees

A distinct chiseled cross (+) on the face of a stationary ledge rock, 4 ft. high, 6 ft. long bears N. 59° E., 57 links distance, (37.62 ft.). A boulder, 2 ft. X 2 ft. X 2 ft., has slid in front of the cross.

A spruce, 14 inches in diameter, bears N. 60° 45' E., 3.38 chains distance, (223.08 ft.), with scribing "31 BT" still clearly visible.

A spruce, 12 inches in diameter, bears S. 71° E.
(record S. 73° 15' E.), 3.31 chains, (218.46 ft.), with scribing
"T3S R3E S6 BT" still clearly visible.

There are no trees of any type closer. The corner is on a very steep North facing slope, high up in a natural bowl, about 100 ft. lower than the saddle in the East-West ridge dividing Big and Little Cottonwood Canyons. The entire area is covered with slide rock which forms a North and South crease down the center of the bowl. The crease runs about 20 feet West of the corner.

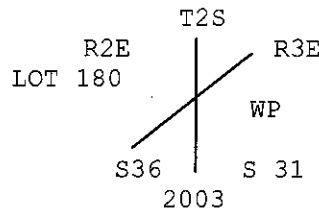
N. 0° 53.6' W., along the West boundary of T. 2 S., R. 3 E., between Sections 31 and 36.

DEPENDENT RESURVEY OF A PORTION OF THE WEST BOUNDARY
T. 2 S., R. 3 E., SALT LAKE MERIDIAN, UTAH

CHAINS
(FEET)

- 2.070 The Intersection Point for the 1938 record, on line between Lode
(136.62) Corners 3 and 4, Imperial No. 3 Lode, Mineral Survey No. 5798,
record S. $72^{\circ}18'$ W., 2.810 chains distance, (185.46 ft.), from true
point for Lode Corner No. 4, Not part of this survey,
Not Monumented.
- 28.560 The Point for the 1938 record for intersecting the line between Lode
(1884.96) Corners 3 and 4, Monte Cristo Lode, Mineral Survey No. 3333, record
N. 52° W., 18.340 chains distance, (1210.44 ft.) from Corner No. 4,
not part of this survey, Not Monumented.
- 34.381 The Intersection Point on Line between Lode Corners 1 and 2, Leo
(2269.15) Lode, Lot 180, Big Cottonwood Mining District.

Set a Witness Point with a standard B.L.M. aluminum post, 30 inches
long, 2 1/2 inches in diameter, set firmly, 22 inches in loose rock
and encircled with a mound of stone, 3 ft. base, 6 inches high, the
post exposed 2 inches below, the 3 1/4 inch diameter aluminum cap
marked:

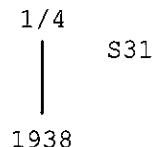


There are no trees in the area.

Set a new bearing object

A rebar, 18 inches long, 1/2 inch diameter, bears N. $28^{\circ}54'$ E.,
2.587 chains distance (170.74 ft.).

- 37.633 The True Point for the 1/4 Section Corner of Section 31 only. From
(2483.78) this point, the 1/4 Section Corner monument, with a 1938 General
Land Office (G.L.O.) 1 inch diameter galvanized iron post, firmly
set, bears East 1.3 links distance, (0.86 ft.) projecting 3 inches
above a mound of stones, 4 ft. base, 1 1/2 ft. high with a 2 1/2
inch diameter brass cap marked:



NAD 83, Latitude: $40^{\circ}36'00.5670''$ N., Longitude: $111^{\circ}39'45.8311''$ W.

DEPENDENT RESURVEY OF A PORTION OF THE WEST BOUNDARY
T. 2 S., R. 3 E., SALT LAKE MERIDIAN, UTAH

CHAINS
(FEET)

39.083 The 1/4 Section Corner for Section 36 only, T. 2 S., R. 2 E.,
(2579.49) monumented with a 1938 G.L.O. 1 inch diameter galvanized iron post,
firmly set, projecting 24 inches above ground, encircled by a mound
of stones with a 2 1/2 inch diameter brass cap marked:

1/4
|
S36
|
1938

NAD 83, Latitude: 40°36'01.5123" N., Longitude: 111°39'45.8504" W.

Rebuilt mound of stones, 4 ft. base, 2 ft. high, with brass cap now
projecting 6 inches above the mound:

N. 0° 19.8' W., beginning new measurement on line between Sections
31 and 36.

9.789 The Intersect Point on line between Lode Corners 3 and 4, Leo Lode,
(646.06) Lot 180, and the point for the Crossing Closing Corner.

Set an aluminum post, 30 inches long, 2 1/2 inches in diameter, 24
inches in the ground, encircled with a mound of stones, 2 ft. base,
to the top of aluminum cap marked:

S36 S31
|
CCC
|
LOT 180
|
2003

NAD 83, Latitude: 40°36'07.8932" N., Longitude: 111°39'45.8985" W.

37.955 The True Point for the Closing Corner at intersection with the
(2505.03) Section Line between Sections 30 and 31. The monument for this
Closing Corner, a 1938 G.L.O. 2 inch diameter iron post, bears
S. 89° 35.1' W., 1.3 links distance (0.86 ft.), encircled by a mound
of stones, 3 ft. base, 1 ft. high to the top, with brass cap marked:

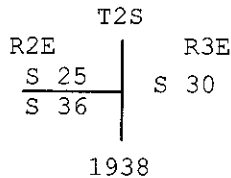
T2S
R2E R3E
| S 30 C
| S 31 C
|
1938

NAD 83, Latitude: 40°36'26.2536" N., Longitude: 111°39'46.0484" W.

DEPENDENT RESURVEY OF A PORTION OF THE WEST BOUNDARY
T. 2 S., R. 3 E., SALT LAKE MERIDIAN, UTAH

CHAINS
(FEET)

- 38.357 Center Line of abandoned mining road (dirt) bears N. 60° E. and
(2531.58) S. 60° W.
- 39.793 The Section Corner for Sections 25 and 36 only, T. 2 S., R. 2 E.,
(2626.31) monumented with the 1938 G.L.O. 2 inch diameter galvanized iron
post, firmly set, encircled by a mound of stones, 3 ft. base, 1 ft.
high, to the top, with the brass cap marked:



NAD 83, Latitude: 40°36'27.4516" N., Longitude: 111°39'46.0461" W.

From which the 1938 bearing trees

A dead balsam bears S. 11° 45' W., 10 links distance, (6.60 ft.).
(record 5 inch. diam.)

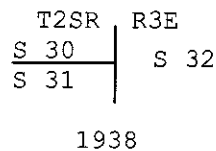
A dead broken spruce stump bears S. 62° 45' W., 20 links
distance, (13.20 ft.).

A spruce, 16 inches in diameter, bears N. 18° W., 1.10 chains
distance (72.40 ft.), with a large blaze face not quite healed
over, scribing not visible.

The Dependent Resurvey of a Subdivisional Line,
Township 2 South, Range 3 East, Salt Lake Meridian, Utah

Survey executed by A.P. Hansen, in 1902, and
Dependent Resurvey by R. Gentry, et al. in 1938

From the Section Corner of Sections 30, 31 and 32, monumented with a
1938 G.L.O. 2 inch diameter iron pipe, firmly set, projecting 19
inches above a large mound of stones, 4 ft. base, with the brass cap
marked:



NAD 83, Latitude: 40°36'26.4081" N., Longitude: 111°38'42.6879" W.

From which the 1938 G.L.O. bearing trees

DEPENDENT RESURVEY OF A SUBDIVISIONAL LINE
T. 2 S., R. 3 E., SALT LAKE MERIDIAN, UTAH

CHAINS
(FEET)

A dead spruce, 16 inches in diameter, bears S. 65° W., 116 links distance, (76.56 ft.), scribing "T2S R3E S31 BT" is visible.

A balsam, 13 inches in diameter, bears N. 31° W., 55 links distance, (36.30 ft.), scribing is visible but not readable.

Rebuilt mound of stones to the top of the brass cap.

The corner is on a very steep West facing slope, about 10 ft. West and 6 ft. below the top of Reed and Benson Ridge, which runs North and South.

From this corner, the point for the Closing Corner for Sections 29 and 32, determined from a 1938 G.L.O. bearing tree, bears N. 0° 20.8' W., 1.837 chains distance, (121.24 ft.).

NAD 83, Latitude: 40°36'27.6057" N., Longitude: 111°38'42.6974" W.

From which the 1938 G.L.O. bearing tree

A spruce, 12 inches in diameter, bears S. 57° 45' E., 76 links distance, (50.16 ft.), with scribing "T2S R3E S32 CC" visible.

At the Closing Corner point for Sections 29 and 32

Set a rebar, 18 inches long, 5/8 inch diameter on top of bedrock and encircled by a mound of stone, 3 ft. base, to the top of the rebar.

From which new bearing objects

A rebar, 18 inches long, 5/8 inch diameter, bears S. 41° 16' E., 92.3 links distance, (60.91 ft.).

A rebar, 18 inches long, 5/8 inch diameter, bears S. 26° 20' E., 63.8 links distance, (42.12 ft.).

N. 89° 57.4' W., On line between Sections 30 and 31.

11.620 (766.92) The Intersection Point for the 1938 record, on line between Lode Corners 2 and 3, Revenue Lode, Mineral Survey No. 5582, record S. 21° 50' E., 17.210 chains distance, (1135.86 ft.), to the point for Corner No. 2, not part of this survey, Not Monumented.

33.133 (2186.80) Center Line of abandoned Cardiff Fork mining road (rough stone), bears N. 15° E. and S. 15° W.

33.454 (2207.97) The Intersect Point on line between corners 2 and 3, Cardiff Lode, Mineral Survey No. 6188, Not Monumented.

34.193 (2256.77) A dry gulch drains N. 20° W., 1600 feet below the section corner.

DEPENDENT RESURVEY OF A SUBDIVISIONAL LINE
T. 2 S., R. 3 E., SALT LAKE MERIDIAN, UTAH

CHAINS
(FEET)

37.370 The 1/4 Section Corner of Sections 30 and 31, monumented with a
(2466.44) 1938 G.L.O. iron post, 1 inch in diameter, projecting 24 inches above ground, bent and leaning to the North-East, but firmly set and encircled with a mound of stones, 4 ft. base, 1 ft. high.

The original stone, with "1/4" chiseled on the North face, is visible in the mound alongside the iron post. The 2 1/2 inch diameter brass cap is marked:

1/4	<u>S 30</u>
	S 31
	1938

NAD 83, Latitude: 40°36'26.4268" N., Longitude: 111°39'14.6515" W.

From which bear the 1938 bearing trees

A balsam, 18 inches in diameter, S. 65° E., 40 links distance, (26.20 ft.), with scribing "31 B" still readable.

A spruce, 24 inches in diameter, N. 43° W., 96 links distance, (63.00 ft.), with a blazed face.

Drove 20d nails at the base on the front and side of both trees.

from the corner

The Cardiff Mine tunnel entrance, now in ruins, bears N. 21° 00.5' E., 5.67 chains distance, (374.20 ft.). The tunnel, itself, runs S. 60° E.

The center of tunnel access tower, a steel dome, 4 ft. high, 4 ft. in diameter, on a concrete foundation (access to the Cardiff Mine and the Wasatch Drain Tunnel), bears S. 39° 00.0' E., 2.46 chains distance, (162.10 ft.).

The North-West corner of a concrete foundation, all that remains of the Cardiff Mine's bunk house (dimensions 74.20 ft. by 23.8 ft.) bears S. 21° 54.1' W., 2.098 chains distance, (138.44 ft.).

S. 89° 35.1' W., beginning new measurement, on line between Sections 30 and 31.

0.758 Top of East cliff of Mill 'D' South Fork. Descend.
(50.00)

1.212 Mill 'D' South Fork (seasonal stream at this location), in a narrow
(80.00) canyon, is 60 ft. below the top of the cliffs.

DEPENDENT RESURVEY OF A SUBDIVISIONAL LINE
T. 2 S., R. 3 E., SALT LAKE MERIDIAN, UTAH

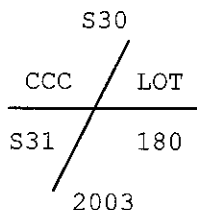
CHAINS

(FEET)

3.687 The Intersection Point on Line between Lode Corners 1 and 4, Cardiff
(243.33) Lode, Mineral Survey No. 6188, Not Monumented.

5.589 The Intersection Point on Line between Lode Corners 9 and 10, No. 1
(368.87) Ext. of Evarena Lode, Lot 180, and the point for the Crossing
Closing Corner.

Set an aluminum post, 30 inches long, 2 1/2 inches in diameter, 24
inches in the ground, and encircled with a mound of stones, 2 ft.
base, to top, with aluminum cap marked:

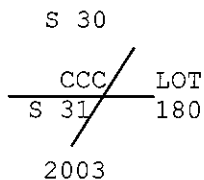


NAD 83, Latitude: 40°36'26.4005" N., Longitude: 111°39'19.4317" W.

The corner is on level ground at the crest of a North-West facing
slope.

16.574 The Intersection Point on Line between Lode Corners 11 and 12, No. 1
(1093.88) Ext. Evarena Lode, Lot 180, and the point for the Crossing Closing
Corner.

Set an aluminum post, 30 inches long, 2 1/2 inches in diameter, 24
inches in the ground, and encircled with a mound of stones, 2 ft.
base, to top, with aluminum cap marked:



NAD 83, Latitude: 40°36'26.3489" N., Longitude: 111°39'28.8265" W.

19.154 Center Line of abandoned Cardiff Fork mining road (dirt) bears North
(1264.19) and South.

36.695 Intersect the True Point on the West boundary of the Township,
(2421.90) heretofore described.

36.709 The Closing Corner monument for Sections 30 and 31, heretofore
(2422.78) described.

DEPENDENT RESURVEY OF A SUBDIVISIONAL LINE
T. 2 S., R. 3 E., SALT LAKE MERIDIAN, UTAH

CHAINS
(FEET)

Dependent Resurvey of Lot 180, Big Cottonwood Mining District
In Unsurveyed Section 36, Township 2 South, Range 2 East,
and Sections 30 and 31
Township 2 South, Range 3 East, Salt Lake Meridian, Utah

Survey executed by J. T. Breckon in 1891.
Partial Dependent Resurvey by R. Gentry, et al. in 1938
Metes and Bounds Survey for the following Mineral Lodes:

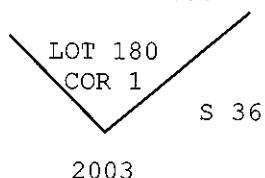
-
- A. Leo
 - B. Baby McKee
 - C. No. 1 Ext. of Evarena
 - D. Evarena
-

From Corner 1, Leo Lode, Lot 180, in unsurveyed Section 36, T. 2 S.,
R. 2 E., monumented with an unrecorded chiseled stone found solidly
in place, chiseled on top of the stone:

+
1x1x4

At the corner point

Set a U.S. Forest Service 2 inch diameter brass disc over the
chiseled cross, with the disc marked:



From which an original bearing object

A black rock solidly in place bears, S. 15° W., 18.2 links
distance (12.00 ft.). Its face is chiseled clearly in a pin prick
method and marked:

L 180 P1
BO

NAD 83, Latitude: 40°35'55.2436" N., Longitude: 111°39'48.9215" W.

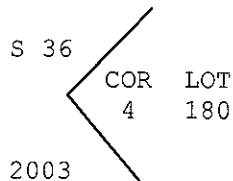
N. 53° 13.8' W., on line between Lode Corners 1 and 4, Leo Lode,
Lot 180.

8.785 Point for Corner No. 4, Leo Lode, Lot 180, as determined by Grant
(579.80) Boundary Adjustment method. There is no remaining evidence of the
original corner.

DEPENDENT RESURVEY OF LOT 180, BIG COTTONWOOD MINING DISTRICT,
IN UNSURVEYED SECTION 36, T. 2 S., R. 2 E., AND
SECTIONS 30 AND 31, T. 2 S., R. 3 E.,
SALT LAKE MERIDIAN, UTAH

CHAINS
(FEET)

Set an aluminum post, 30 inches long, 2 1/2 inches in diameter, 18 inches in the ground, encircled by a mound of stones, 3 ft. base, to top, with aluminum cap marked:



NAD 83, Latitude: 40°35'58.6716" N., Longitude: 111°39'54.9396" W.

N. 36° 46.2' E., on line between Lode Corners 3 and 4, Leo Lode, Lot 180.

17.660
(1165.56) Intersect township line at the West boundary of Township 2 South, Range 3 East, Section 31, at the Crossing Closing Corner, heretofore described.

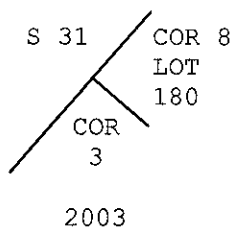
21.582
(1424.38) Corner No. 3, Leo Lode, Lot 180, identical with Corner No. 8, Baby McKee, Lot 180, monumented with a scattered but distinct stone mound on a steep East slope with probable remains of the two original bearing trees:

A large rotted stump bears S. 28° E. (record S. 33° E.), 88.2 links distance, (58.20 ft.).

A clump of balsams growing out of a rotted stump bears S. 57° W., 1.394 chains distance, (92.00 ft.).

At the corner point

Set an aluminum post, 30 inches long, 2 1/2 inches in diameter, flush with the ground on the uphill side, encircled with a mound of stones, 3 ft. base, 2 ft. high on the downhill side to the top, with 3 1/2 inch diameter aluminum cap marked:



NAD 83, Latitude: 40°36'09.9408" N., Longitude: 111°39'34.8909" W.

DEPENDENT RESURVEY OF LOT 180, BIG COTTONWOOD MINING DISTRICT,
IN UNSURVEYED SECTION 36, T. 2 S., R. 2 E., AND
SECTIONS 30 AND 31, T. 2 S., R. 3 E.,
SALT LAKE MERIDIAN, UTAH

CHAINS
(FEET)

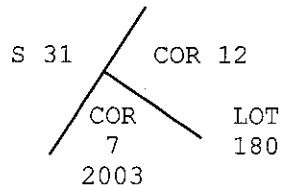
N. $35^{\circ} 14.3'$ E., on line between Lode Corners 7 and 8, Baby McKee Lode, Lot 180.

23.460
(1548.33) Corner No. 7, Baby McKee Lode, Lot 180, identical with Corner No. 12, No. 1 Ext. of Evarena Lode, Lot 180, monumented with an old mound of stones, from which probable evidence of the 1938 G.L.O. bearing tree:

A large rotted stump bears N. 10° W., 17 links distance, (11.5 ft.), Record: (1938 G.L.O. record, a dead spruce, 36 inches in diameter, bears N. $5^{\circ} 30'$ W., 16 links distance)

At the center of the mound of stones

Set a U.S. Forest Service monument, an aluminum post, 30 inches long, 2 1/2 inches in diameter, 18 inches in the ground and encircled with a mound of stones, 4 ft. base, to top, with aluminum cap marked:



NAD 83, Latitude: $40^{\circ} 36' 22.4312''$ N., Longitude: $111^{\circ} 39' 32.3139''$ W.

From which new bearing trees

A balsam, 10 inches in diameter, bears S. 71° W., 39.4 links distance, (26.00 ft.).

A balsam, 6 inches in diameter, bears N. 36° W., 18.6 links distance, (12.30 ft.).

A balsam, 9 inches in diameter, bears N. 11° W., 30.9 links distance, (20.40 ft.).

All three new bearing trees are base blazed with no scribing and 20d nail driven at the base in the front and on the side.

N. $34^{\circ} 09.3'$ E., on line between Lode Corners 11 and 12, No. 1 Ext. of Evarena Lode, Lot 180.

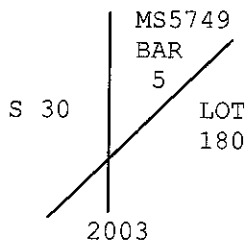
1.742
(115.00) Center Line of Lost Creek, a year round stream, 2 ft. wide, course S. 75° E.

DEPENDENT RESURVEY OF LOT 180, BIG COTTONWOOD MINING DISTRICT,
IN UNSURVEYED SECTION 36, T. 2 S., R. 2 E., AND
SECTIONS 30 AND 31, T. 2 S., R. 3 E.,
SALT LAKE MERIDIAN, UTAH

CHAINS
(FEET)

- 2.258 Center Line of abandoned Cardiff Fork mining road (dirt) bears
(149.00) S.10° E. and N. 10° W.
- 7.262 Intersect the section line between Sections 30 and 31 at the
(479.32) Crossing Closing Corner, heretofore described.
- 8.896 Intersection Point on Line between Lode Corners 3 and 4,
(587.14) Barnegat Lode No. 5, Mineral Survey 5749.

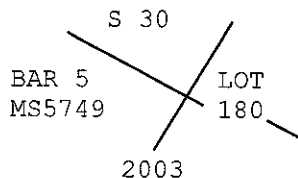
Set an aluminum post, 30 inches long, 2 1/2 inches diameter, 24 inches in the ground, and encircled with a mound of stones, 4 ft. base, to top, with aluminum cap marked:



NAD 83, Latitude: 40°36'27.2301" N., Longitude: 111°39'28.0421" W.

- 10.972 Intersection Point on Line between Lode Corners 1 and 4, Barnegat
(724.17) Lode No. 5, Mineral Survey No. 5749.

Set an aluminum post, 30 inches long, 2 1/2 inches in diameter, 22 inches in the ground to bed rock, and encircled with a mound of stones, 3 ft. base, 1 foot high to top, with aluminum cap marked:



NAD 83, Latitude: 40°36'28.3501" N., Longitude: 111°39'27.0450" W.

- 14.697 Corner No.11, No. 1 Ext. Evarena Lode, identical with Corner No. 16,
(970.00) Evarena Lode, Lot 180, monumented with a scattered mound of stones from which evidence of probable original bearing trees:

Clump of balsams growing out of a rotted stump bears N. 24° E., 73 links distance (48.00 ft.).

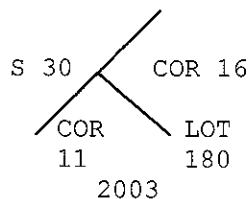
A rotted stump bears S. 10° E., 51 1/2 links distance (34.00 ft.).

DEPENDENT RESURVEY OF LOT 180, BIG COTTONWOOD MINING DISTRICT,
IN UNSURVEYED SECTION 36, T. 2 S., R. 2 E., AND
SECTIONS 30 AND 31, T. 2 S., R. 3 E.,
SALT LAKE MERIDIAN, UTAH

CHAINS
(FEET)

At the center of mound of stones

Set a U.S. Forest Service aluminum post, 30 inches long, 2 1/2 inches in diameter, 28 inches in the ground, and encircled with a collar of stone, 2 ft. base, with aluminum cap marked:



NAD 83, Latitude: 40°36'30.3593" N., Longitude: 111°39'25.2564" W.

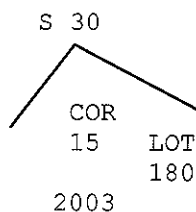
From which a bearing tree

A balsam, 35 inches in diameter, bears N. 14° E., 114 links distance, (75.4 ft), base blazed with no scribing. Drove 20d nail beneath base blaze at the front and another 20d at the base on the side of the tree.

N. 30° 41.8' E., on line between Lode Corners 15 and 16, Evarena Lode, Lot 180.

22.641 (1494.31) Point for Corner No. 15, Evarena Lode, Lot 180, as determined by the Grant Boundary Adjustment method as based on the record bearings and distances of the 1938 General Land Office Dependent Resurvey. There is no remaining evidence of the original corner.

Set an aluminum post, 30 inches long, 2 1/2 inches in diameter, firmly set flush with the ground, and encircled with a mound of stone, 2 ft. base, to top, 1 ft. high as measured from the downhill side, with aluminum cap marked:



NAD 83, Latitude: 40°36'43.0504" N., Longitude: 111°39'15.3701" W.

Corner is on a very steep East facing slope at the edge of aspen timber, and at edge of open meadow to the East.

DEPENDENT RESURVEY OF LOT 180, BIG COTTONWOOD MINING DISTRICT,
 IN UNSURVEYED SECTION 36, T. 2 S., R. 2 E., AND
 SECTIONS 30 AND 31, T. 2 S., R. 3 E.,
 SALT LAKE MERIDIAN, UTAH

CHAINS
 (FEET)

S. $47^{\circ}18.2'$ E., on line between Lode Corners 14 and 15, Evarena Lode, Lot 180.

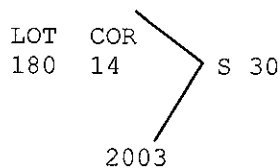
6.462 Center Line of Mill 'D' South Fork Creek, a seasonal stream at this
 (426.50) location, course N. 20° E.

7.674 Corner No. 14, Evarena Lode, Lot 180, monumented with a wood post 3
 (506.50) ft. long, 4 inches in diameter, no markings visible, in a large mound of stones from which probable evidence of the original bearing tree:

A clump of spruce saplings growing from a rotted stump, bears S. 87° W., 27.3 links distance, (18.00 ft.).

At the corner point

Set an aluminum post, 30 inches long, 2 1/2 inches in diameter, 24 inches in the ground, encircled by a mound of stones and dirt, 3 ft. base, to top, with aluminum cap marked:



NAD 83, Latitude: $40^{\circ}36'39.65801''$ N., Longitude: $111^{\circ}39'10.54561''$ W.

From which new bearing objects

Center of a cut off power pole, 10 inches in diameter, 0.7 ft. high, bears N. 14° E., 1.121 chains distance, (74.00 ft.).

A balsam, 8 inches in diameter, bears N. 90° E., 15.9 links distance, (10.50 ft.), base blazed with no scribing, with a 20d nail driven at the base on the front and the side,

A spruce, 30 inches in diameter, bears N. 54° W., 43.8 links distance, (28.90 ft), with a healed blaze at 3 ft. above ground. No new marks made.

Deposited wood post alongside the aluminum post.

From the corner

'Y' intersection of Cardiff Fork road bears N. 58° E., 1.439 chains distance, (95.00 ft.). Center Line of the West fork of the abandoned Cardiff Fork road bears East, 98.5 links distance, (65.0 ft.).

DEPENDENT RESURVEY OF LOT 180, BIG COTTONWOOD MINING DISTRICT,
IN UNSURVEYED SECTION 36, T. 2 S., R. 2 E., AND
SECTIONS 30 AND 31, T. 2 S., R. 3 E.,
SALT LAKE MERIDIAN, UTAH

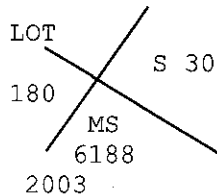
CHAINS
(FEET)

Center Line of Mill 'D' South Fork Creek bears West, 1.212 chains distance, (80.00 ft.).

S. 26° 51.7' W., on line between Lode Corners 13 and 14, Evarena Lode, Lot 180.

6.904
(455.69) Intersect line between Lode Corners 3 and 4, Cardiff Lode, Mineral Survey No. 6188.

Set an aluminum post, 30 inches long, 2 1/2 inches in diameter, 24 inches in the ground, and encircled with a mound of stone, 2 ft. base, to top, with aluminum cap marked:



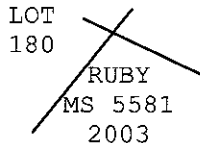
NAD 83, Latitude: 40°36'35.6428" N., Longitude: 111°39'13.2141" W.

From this corner, the East bank of Mill 'D' South Fork Creek is North-West 2 ft.

11.725
(773.84) Center Line Mill 'D' South Fork Creek, a seasonal stream at this location, course North.

13.290
(877.17) Intersection Point on Line between Lode Corners 2 and 3, Ruby Lode, (Not Patented), Mineral Survey No. 5581.

Set an aluminum post, 30 inches long, 2 1/2 inches in diameter, 26 inches in the ground, with aluminum cap marked:



NAD 83, Latitude: 40°36'31.9291" N., Longitude: 111°39'15.6821" W.

From which the following new bearing objects

North-East corner of a concrete foundation pillar, 4 ft. by 3 1/2 ft. by 6 ft. high at the North-East corner of Cardiff Mine Ore Mill, bears S. 29° E., 5.8 links distance, (3.80 ft.).

DEPENDENT RESURVEY OF LOT 180, BIG COTTONWOOD MINING DISTRICT,
IN UNSURVEYED SECTION 36, T. 2 S., R. 2 E., AND
SECTIONS 30 AND 31, T. 2 S., R. 3 E.,
SALT LAKE MERIDIAN, UTAH

CHAINS
(FEET)

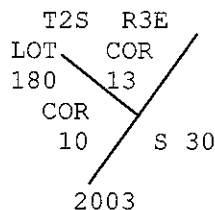
A balsam, 18 inches in diameter, bears N. 75° W., 85.8 links distance, (56.60 ft.), a 20d nail driven at the base in the front for bearing, another 2-D nail driven in the base on the side for distance, with no blazes or scribing.

The corner falls on the West bank of Mill 'D' South Fork Creek.

- 13.494
(890.58) Intersect North-West wall of the aforementioned abandoned Cardiff Mine Ore Mill, from which the North-West corner bears S. 62° 03' W., 10.70 ft. distance and the North-East corner bears N. 62° 03' E., 10.30 ft. distance.
- 13.692
(903.64) Intersect South-West wall of the abandoned Cardiff Mine Ore Mill, a three story timber frame structure, 31.00 ft. by 21.00 ft., still standing. From which the North-West corner of the wood structure bears N. 28° 13' W., 7.30 ft. distance and the South-West corner bears S. 28° 13' E., 23.70 ft. distance.
- 16.553
(1092.48) Intersection Point on Line between Lode Corners 1 and 4, Cardiff Lode, Mineral Survey 6188, Not Monumented.
- 21.976
(1450.42) Corner No. 13, Evarena Lode, Lot 180, identical with Corner No. 10, No. 1 Ext. of Evarena Lode, Lot 180, monumented with an old wood post, not original, in a large mound of stones.

At the corner point

Set an aluminum post, 30 inches long, 2 1/2 inches in diameter, 26 inches in the ground, and encircled with a mound of stones, 3 ft. base to top, with aluminum cap marked:



Deposited old wood post alongside aluminum post.

NAD 83, Latitude: 40°36'26.8781" N., Longitude: 111°39'19.0386" W.

Corner No. is 15 links (10 ft.) West of the crest of a North-West facing slope.

From this corner, Corner No. 16, Evarena Lode, Lot 180, identical with Corner No. 11, No. 1 Ext. of Evarena Lode, Lot 180, bears N. 53° 41.9' W., 9.020 chains distance, (595.33 ft.).

DEPENDENT RESURVEY OF LOT 180, BIG COTTONWOOD MINING DISTRICT,
IN UNSURVEYED SECTION 36, T. 2 S., R. 2 E., AND
SECTIONS 30 AND 31, T. 2 S., R. 3 E.,
SALT LAKE MERIDIAN, UTAH

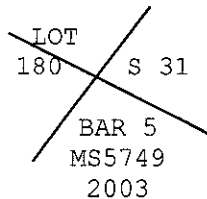
CHAINS
(FEET)

S. $32^{\circ} 05.8'$ W., on line between Lode Corners 9 and 10, No. 1 Ext. of Evarena Lode, Lot 180.

0.865
(57.08) Intersect the section line between Sections 30 and 31, at the Crossing Closing Corner, heretofore described.

3.971
(262.11) Intersection Point on Line between Lode Corners 1 and 4, Barnegat Lode No. 5, Mineral Survey 5749.

Set an aluminum post, 30 inches long, 2 1/2 inches in diameter, firmly set, 12 inches in the ground to bed rock, and encircled with a mound of stones, 4 ft. base, 1 1/2 feet high to top, with aluminum cap marked:



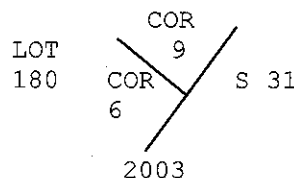
NAD 83, Latitude: $40^{\circ}36'24.6850''$ N., Longitude: $111^{\circ}39'20.8435''$ W.

15.861
(1046.84) Corner No. 9, No. 1 Ext. of Evarena Lode, Lot 180, identical with Corner No. 6, Baby McKee Lode, Lot 180, determined from the remaining original bearing tree:

A spruce, 28 inches in diameter, bears S. $57^{\circ} 45'$ W., 78.8 links distance, (52.00 ft.), with a healed blaze at 3 ft. above ground.

At the corner point

Set an aluminum post, 30 inches long, 2 1/2 inches in diameter, 24 inches in the ground, and encircled with a collar of stones, 1 1/2 ft. base, to top, with aluminum cap marked:



NAD 83, Latitude: $40^{\circ}36'18.1189''$ N., Longitude: $111^{\circ}39'26.2468''$ W.

From this corner, Corner No. 7, Baby McKee Lode, Lot 180, identical with Corner No. 12, No. 1 Ext. of Evarena Lode, Lot 180, bears N. $46^{\circ} 59.9'$ W., 9.700 chains distance, (640.17 ft.).

DEPENDENT RESURVEY OF LOT 180, BIG COTTONWOOD MINING DISTRICT,
 IN UNSURVEYED SECTION 36, T. 2 S., R. 2 E., AND
 SECTIONS 30 AND 31, T. 2 S., R. 3 E.,
 SALT LAKE MERIDIAN, UTAH

CHAINS
 (FEET)

S. 37° 25.3' W., on line between Lode Corners 5 and 6, Baby McKee Lot 180.

7.345 Intersection Point on Line between Lode Corners 1 and 2,
 (484.78) Barnegat Lode No. 3, Mineral Survey 5749, Not Monumented.

13.924 Calculated Intersection Point on Line between Lode Corners 4 and 1,
 (919.00) Clyde Lode, Mineral Survey 6548, Not Monumented.

From which Corner No. 1, bears approximately S. 51° 05' E., 3.950 chains distance, (260.70 ft.) based on the record of Mineral Survey 6548, not part of this survey.

22.220 Calculated Intersection Point on Line between Lode Corners 3 and 4,
 (1466.50) Clyde Lode, Mineral Survey 6548, Not Monumented.

From which Corner No. 3, Clyde Lode Mineral Survey 6548, bears approximately S. 7° 04' W., 12.964 chains (855.6 +/- ft.) based on the record of Mineral Survey 6548, not part of this survey.

22.453 Corner No. 5, Baby McKee Lode, Lot 180, identical with Corner No. 2,
 (1481.90) Leo Lode, Lot 180, monumented with a remnant of a wood post, from which:

An original bearing object, a white granite boulder, 3.50 ft. by 5.30 ft. by 2 ft. high, with a slant top bears S. 36° W., 84.9 links distance, (56.00 ft.). The slant top is clearly chiseled,

"L180 P2
 BO "

A probable original bearing object, a white granite boulder, 2 ft. by 4 ft. by 0.8 ft. above ground, bears due North, 7 links distance, (4.6 ft.), but did not find any markings.

An unrecorded reddish granite boulder, 3.8 ft. by 2.3 ft. by 0.8 ft., above ground, with a slant top clearly chiseled:

" X 1x4
 B.O. "

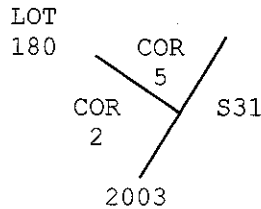
bears S. 29° E., 25.6 links distance, (17.00 ft.) to the " X ".

At the corner point

DEPENDENT RESURVEY OF LOT 180, BIG COTTONWOOD MINING DISTRICT,
IN UNSURVEYED SECTION 36, T. 2 S., R. 2 E., AND
SECTIONS 30 AND 31, T. 2 S., R. 3 E.,
SALT LAKE MERIDIAN, UTAH

CHAINS
(FEET)

Set an aluminum post, 30 inches long, 2 1/2 inches in diameter, on top of a boulder field, and encircled with a mound of stones, 5 ft. base, 2 1/2 ft. high to top, with aluminum cap marked:



NAD 83, Latitude: 40°36'06.4948" N., Longitude: 111°39'37.9161" W.

From which a new bearing object

A rebar, 18 inches long, 1/2 inch diameter, 12 inches in the ground bears N. 18° 34' E., 18.2 links distance, (12.02 ft.)

From this corner, Corner No. 3, Leo Lode Lot 180, identical to Corner No. 8, Baby Mckee Lode, Lot 180, bears N. 52° 53.1' W., 8.761 chains distance, (578.21 ft.)

S. 36° 42.4' W., on line between Lode Corners 1 and 2, Leo Lode, Lot 180.

- | | |
|---------------------|--|
| 10.795
(712.45) | Calculated Intersection Point on Line between Lode Corners 1 and 2, Monte Cristo Lode, Mineral Survey 3333, Not Monumented, from which Corner No. 1 bears approximately S. 51° 44' E., 21.986 chains distance, (1451.10 ft.). |
| 15.398
(1016.29) | The Witness Point set at the Intersection Point on Line of the West boundary of Section 31, T. 2 S., R. 3 E., heretofore described. |
| 19.889
(1312.65) | Calculated Intersection Point on Line between Lode Corners 3 and 4, Monte Cristo Lode, Mineral Survey 3333, Not Monumented, from which Corner No. 3 bears approximately N. 52° W., 0.606 chains distance, (40.00 ft.) and Corner No. 4, Monte Cristo, bears approximately S. 52° E., 21.970 chains distance, (1450.00 ft.) |
| 21.529
(1420.91) | Corner No. 1, Leo Lode, Lot 180, heretofore described. |

DEPENDENT RESURVEY OF LOT 180, BIG COTTONWOOD MINING DISTRICT,
IN UNSURVEYED SECTION 36, T. 2 S., R. 2 E., AND
SECTIONS 30 AND 31, T. 2 S., R. 3 E.,
SALT LAKE MERIDIAN, UTAH

CHAINS
(FEET)

Dependent Resurvey of Mineral Survey 5581
Township 2 South, Range 3 East, Salt Lake Meridian, Utah

Survey Executed by J.W. Wade in 1906

Metes and Bounds resurvey of a portion of the following mineral lodes:

- E. Ruby Lode (Not Patented)
- F. Ruby Lode No. 3 (Not Patented)

From Corner No. 4, Ruby Lode (Not Patented), Mineral Survey 5581, identical with Corner No. 1, Ruby Lode No. 1 (Not Patented), Mineral Survey 5581, monumented by an unrecorded 2 inch diameter iron pipe, firmly set, projecting 7 inches above a concrete ring, 12 inches in diameter on top of an old mound of stones. There is no cap on the pipe.

This corner is harmoniously related to existing corners and is accepted as the best evidence of the original corner.

NAD 83, Latitude: 40°36'24.0496" N., Longitude: 111°39'03.4423" W.

From which new bearing trees

A balsam, 14 inches in diameter, bears N. 40° E., 21.4 links distance, (14.10 ft.).

A balsam, 6 inches in diameter, bears S. 29° E., 13.2 links distance, (8.70 ft.).

A balsam, 6 inches in diameter, bears N. 46 ° W., 30.9 links distance, (20.40 ft.).

All three bearing trees have a base blaze with no scribing and have two 20d nails driven in at the base, one at the front for bearing and one at the side for distance.

From this corner, the 1/4 Section Corner for Sections 30 and 31 bears N. 74° 27.0' W., 13.603 chains distance, (897.82 ft.), (Record N. 74° 30' W).

N. 78° 40.2' W., on line between Corners 4 and 1, Ruby Lode (Not Patented), Mineral Survey 5581.

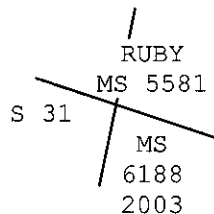
DEPENDENT RESURVEY OF MINERAL SURVEY 5581
T. 2 S., R. 3 E., SALT LAKE MERIDIAN, UTAH

CHAINS

(FEET)

- 0.076 Center Line of a broad trail, formerly an unimproved road to mines
(5.00) in the area, bears North and South.
- 9.515 Center Line of the abandoned Cardiff Fork mining road, bears
(628.00) N. 15° E. and S. 15° W.
- 9.593 Intersection Point on Line between Lode Corners 2 and 3, Cardiff
(633.16) Lode, Mineral Survey 6188, Not Monumented.
- 10.303 A dry gulch drains N. 5° E.
(680.00)
- 14.803 Center Line of Mill 'D' South Fork Creek, a seasonal stream, course
(977.00) N. 15° E.
- 17.171 Intersection Point on Line between Lode Corners 1 and 4, Cardiff
(1133.32) Lode, Mineral Survey 6188.

Set an aluminum post, 30 inches long, 2 1/2 inches in diameter, 22 inches in the ground, and encircled with a mound of stones and dirt, 2 ft. base, 6 inches high, with aluminum cap marked:



NAD 83, Latitude: 40°36'26.2488" N., Longitude: 111°39'17.8431" W.

From which new bearing trees

A balsam, 10 inches in diameter, bears S. 67° W., 0.605 chains distance, (39.90 ft.).

A balsam, 6 inches in diameter, bears N. 34° W., 0.197 chains distance, (13.00 ft.).

Both bearing trees have a base blaze with no scribing and two 20d nails driven in at the base, one at the front for bearing and one at the side for distance.

From this corner,

Corner No. 1, Ruby Lode (Not Patented), Mineral Survey 5581, bears N. 78° 40.2' W., 5.563 chains distance, (367.18 ft.), monumented with an unrecorded 2 inch diameter iron post, projecting 12 inches above a ring of concrete, 12 inches in diameter, on top of a low mound of stones, with 2 3/4 inch diameter brass cap marked:

DEPENDENT RESURVEY OF MINERAL SURVEY 5581
T. 2 S., R. 3 E., SALT LAKE MERIDIAN, UTAH

CHAINS
(FEET)

1 + 5581 + R
1946

This corner is harmoniously related to existing corners and is accepted as the best evidence of the original corner.

NAD 83, Latitude: 40°36'26.9612" N., Longitude: 111°39'22.5088" W.

From Corner No. 2, Ruby Lode, (Not Patented) Mineral Survey 5188, monumented with an unrecorded 2 inch diameter iron pipe, projecting 6 inches above a 12 inch diameter ring of concrete on top of an old mound of stones, with brass cap marked:

2 + 5581 + R
1946

This corner is harmoniously related to existing corners and is accepted as the best evidence of the original corner.

NAD 83, Latitude: 40°36'32.8524" N., Longitude: 111°39'21.7364" W.

The corner is on an East facing slope at the South edge of a thick balsam grove with low hanging balsam branches covering the corner.

S. 78° 41.0' E., on line between Lode Corners 2 and 3, Ruby Lode (Not Patented), Mineral Survey 5581.

- | | |
|--------------------|--|
| 6.287
(414.94) | Intersection Point on Line between Lode Corners 1 and 4, Cardiff Lode, Mineral Survey 6188. |
| 7.218
(476.42) | Intersection Point on Line between Lode Corners 13 and 14, Evarena Lode, Lot 180, monumented with an aluminum post set this survey, heretofore described. |
| 7.803
(515.00) | Center Line of Mill 'D' South Fork Creek, a seasonal stream, drains North. |
| 11.370
(750.43) | Point for Corner No. 1, Ruby Lode No. 3, (Not Patented) Mineral Survey 5581, at the intersect point with the projected bearing between Corners No. 1 and 2, Ruby Lode No. 4 (Not Patented) Mineral Survey 5581 hereinafter described. There is no remaining evidence of the original corner. This area was covered by rocks from an avalanche. |

Set an aluminum post, 30 inches long, 2 1/2 inches in diameter, 24 inches in the ground and encircled with a mound of stones, 3 ft. base, to top, with aluminum cap marked:

DEPENDENT RESURVEY OF MINERAL SURVEY 5581
T. 2 S., R. 3 E., SALT LAKE MERIDIAN, UTAH

CHAINS
(FEET)

S 30	RUBY 3
	COR 1
MS 5581	
RUBY	
2003	

NAD 83, Latitude: 40°36'31.3980" N., Longitude: 111°39'12.2000" W.

From which new bearing trees

A balsam, 11 inches in diameter, bears N. 38° E., 72.9 links distance, (48.10 ft.).

A balsam, 6 inches in diameter, bears S. 45° E., 58.5 links distance, (38.60 ft.).

A balsam, 6 inches in diameter, bears S. 60° W., 31.2 links distance, (20.60 ft.).

All three bearing trees are base blazed with no scribing and have two 20d nails driven at the base, one at the front for bearing and one at the side for distance.

From this point the Cardiff Mine tunnel entrance, now in ruins, bears S. 19° 39' W., 2.485 chains distance, (164.00 ft.).

Note: There is no remaining evidence of Corner No. 3, Ruby Lode, (Not Patented) identical with Corner No. 2, Ruby Lode No. 1, (Not Patented) Mineral Survey 5581. The area falls in an avalanche chute.

From Corner No. 1, Ruby Lode No. 3 (Not Patented), Mineral Survey 5581.

N. 8° 55.4' E., on line between Lode Corners 1 and 2, Ruby Lode No. 3, (Not Patented), Mineral Survey 5581.

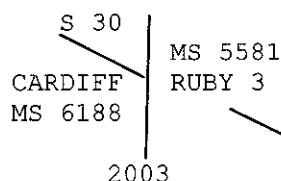
0.278
(18.37) Center Line of remains of gravel road going to the Cardiff Mine, bears N.70°E. and S.70°W.

5.026
(331.74) Intersection Point on Line between Lode Corners 3 and 4, Cardiff Lode, Mineral Survey 6188.

Set an aluminum post, 30 inches long, 2 1/2 inches in diameter, 24 inches in the ground and encircled with a mound of stones, 4 ft. base, to top, with aluminum cap marked:

DEPENDENT RESURVEY OF MINERAL SURVEY 5581
T. 2 S., R. 3 E., SALT LAKE MERIDIAN, UTAH

CHAINS
(FEET)



NAD 83, Latitude: 40°36'34.6348" N., Longitude: 111°39'11.5332" W.

From which new bearing trees

A balsam, 9 inches in diameter, bears S. 46° E., 10.9 links distance, (7.20 ft.).

A balsam, 12 inches in diameter, bears S. 45° W., 27.7 links distance, (18.30 ft.).

Both bearing trees are base blazed with no scribing and have two 20d nail driven in at the base, one at the front for bearing and one at the side for distance.

The corner falls on the North edge of balsam timber, and at edge of open meadow to the North.

8.384 Center Line of West Fork of abandoned Cardiff Fork mining road
(553.37) (dirt) bears N. 50° E and S. 50° W.

9.097 Corner No. 2, Ruby Lode No. 3 (Not Patented), identical with Corner
(600.37) No. 1, Ruby Lode No. 4 (Not Patented), Mineral Survey 5581, monumented with an unrecorded 2 inch diameter iron pipe, projecting 10 inches above a ring of concrete, 12 inches in diameter, on top of an old mound of stones, with brass cap marked:

2 x 1 x 5581
R3 x R4
1946

This corner is harmoniously related to existing corners and is accepted as the best evidence of the original corner.

NAD 83, Latitude: 40°36'37.2559" N., Longitude: 111°39'10.9932" W.

From this corner, Corner No. 14, Evarena Lode, Lot 180, bears N. 08° 05.0' E., 3.722 chains distance, (245.64 ft.), (record N. 07°57'E., 244.7 ft. distance).

From this same corner, Corner No. 2, Ruby Lode No. 4, (Not Patented) Mineral Survey 5581, bears N. 8° 55.4' E., 7.585 chains distance, (500.63 ft.), monumented with an unrecorded 2 inch diameter iron pipe, projecting 7 inches above a ring of concrete, 12 inches in diameter, with brass cap marked:

DEPENDENT RESURVEY OF MINERAL SURVEY 5581
T. 2 S., R. 3 E., SALT LAKE MERIDIAN, UTAH

CHAINS
(FEET)

2 x 5581 x R4

1946

NAD 83, Latitude: 40°36'42.1407" N., Longitude: 111°39'09.9868" W.

From this corner, Corner No. 2, Ruby No. 4,

Corner No. 14, Evarena Lode, Lot 180, bears S. 09° 44.0' W.,
3.864 chains distance, (255.04 ft.).

The 'Y' intersection of the abandoned Cardiff Fork mining road
bears S. 11° E., 3.091 chains distance, (204.00 ft.).

Dependent Resurvey of Mineral Survey 5749
Big Cottonwood Mining District
in Sections 30 and 31
Township 2 South, Range 3 East, Salt Lake Meridian, Utah

Metes and Bounds Survey for the West line of the following mineral
lodes:

- G. Barnegat Lode No. 3
- H. Barnegat Lode No. 4
- I. Barnegat Lode No. 5, and also North line.

From Corner No. 2, Barnegat Lode No. 3 Lode, Mineral Survey 5749,
identical with Corner No. 1, Barnegat Lode No. 2 Lode, Mineral
Survey 5749, monumented with a small mound of stones. This corner
was not remonumented.

NAD 83, Latitude: 40°36'08.2634" N., Longitude: 111°39'31.0366" W.

From this corner the 1/4 Section Corner for Sections 30 and 31,
heretofore described, bears N. 34° 30.6' E., 33.814 chains distance,
(2231.71 ft.).

N. 6° 58.8' E., on line between Lode Corners 2 and 1, Barnegat Lode
No. 3, Mineral Survey 5749.

9.355 Intersection Point on Line between Lode Corners 5 and 6, Baby McKee
(617.41) Lode, Lot 180, Not Monumented.

10.594 Corner No. 1, Barnegat Lode No. 3, Mineral Survey 5749, identical
(699.20) with Corner No. 2, Barnegat Lode No. 4, Mineral Survey 5749,
monumented with a low mound of stones, 3 ft. diam. base, from which
an original bearing tree:

DEPENDENT RESURVEY OF MINERAL SURVEY 5749
 BIG COTTONWOOD MINING DISTRICT
 IN SECTIONS 30 AND 31
 T. 2 S., R. 3 E., SALT LAKE MERIDIAN, UTAH

CHAINS
 (FEET)

A spruce, 40 inches in diameter, bears N. 57° E., 60.6 links distance, (40.00 ft.), with a healed blaze at 3 ft. above ground.

Corner was Not Remonumented.

NAD 83, Latitude: 40°36'15.1181" N., Longitude: 111°39'29.9356" W.

From this corner, a sharp bend in the abandoned Cardiff Fork mining road is North, approximately 30 ft.

N. 6° 47.7' E., on line between Lode Corners 2 and 1, Barnegat Lode No. 4, Mineral Survey 5749.

0.455 Center Line of abandoned Cardiff Fork mining road bears N.70°E. and
 (30.00) West.

10.565 Point for Corner No. 1, Barnegat Lode No. 4, identical with Corner
 (697.26) No. 3, Barnegat Lode No. 5, Mineral Survey 5749, at proportionate distance. Private land owner would not allow entry. The corner must be treated as lost until access to the area is allowed, Not Monumented.

N. 6° 47.7' E. On line between Lode Corners 3 and 4, Barnegat Lode No. 5, Mineral Survey 5749.

6.795 Intersect Section Line between Sections 30 and 31, Not Monumented.
 (448.47)

8.147 Intersection Point on Line between Lode Corners 11 and 12, No. 1
 (537.73) Ext. of Evarena Lode, Lot 180, monumented with an aluminum post set during this survey.

10.565 Corner No. 4, Barnegat Lode No. 5, Mineral Survey 5749, monumented
 (697.26) with an old mound of stones, from which,

An unrecorded rebar, 3/4 inch in diameter, firmly set, bears N. 58°15' E., 19.1 links distance, (12.61 ft.).

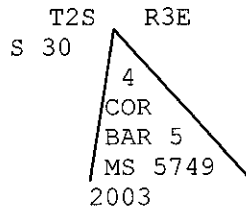
A large rotted stump, a probable original bearing tree, bears N. 82° E., 56 1/2 links distance, (37.30 ft.).

At Corner No. 4

Set an aluminum post, 30 inches long, 2 1/2 inches in diameter, 25 inches in the ground, and encircled with a mound of stones, 3 ft. base, to top, with aluminum cap marked:

DEPENDENT RESURVEY OF MINERAL SURVEY 5749
 BIG COTTONWOOD MINING DISTRICT
 IN SECTIONS 30 AND 31
 T. 2 S., R. 3 E., SALT LAKE MERIDIAN, UTAH

CHAINS
 (FEET)



NAD 83, Latitude: 40°36'28.7948" N., Longitude: 111°39'27.7974" W.

Corner is in a grove of balsam trees, 2.3 chains distance, (150 ft.) East-South-East of the old Cardiff Fork road.

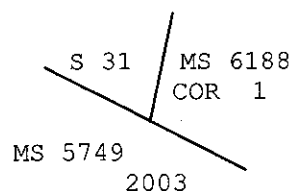
S. 52° 12.5' E., on line between Lode Corners 4 and 1, Barnegat Lode No. 5, Mineral Survey 5749.

- | | |
|--------------------|--|
| 1.113
(73.47) | Intersection Point on Line between Lode Corners 11 and 12, No. 1 Ext. of Evarena Lode, Lot 180, monumented with an aluminum post set during this survey. |
| 6.052
(399.45) | Intersect Section Line between Sections 30 and 31, Not Monumented. |
| 10.288
(679.03) | Intersection Point on Line between Lode Corners 9 and 10, No. 1 Ext. of Evarena Lode, Lot 180, monumented with an aluminum post set during this survey. |
| 12.030
(794.00) | Center Line of Mill 'D' South Fork Creek, course N. 40° E. |
| 13.697
(904.03) | Point for Corner No. 1, Cardiff Lode, Mineral Survey 6188, monumented with a scattered mound of stone. |

The center of this mound is accepted as the best available evidence of the original corner.

At the center of mound of stones for Corner No. 1

Set an aluminum post, 30 inches long, 2 1/2 inches in diameter, flush with the ground, and encircled with a collar of stone, with aluminum cap marked:



DEPENDENT RESURVEY OF MINERAL SURVEY 5749
 BIG COTTONWOOD MINING DISTRICT
 IN SECTIONS 30 AND 31
 T. 2 S., R. 3 E., SALT LAKE MERIDIAN, UTAH

CHAINS

(FEET)

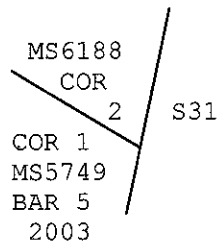
16.015 Center Line of abandoned Cardiff Fork mining road, bears S. 75° E.
 (1057.00) and N. 75° W.

22.788 Corner No. 1, Barnegat Lode No. 5, Mineral 5749, identical with
 (1504.03) Corner No. 2, Cardiff Lode, Mineral Survey 6188, monumented with an
 old mound of stones, from which the remains of an original bearing
 tree:

A root hole, bears S. 14° 40' W., 58 links distance, (38.40 ft.),
 with a downed tree alongside, 39 inches in diameter, with an open
 blaze face with hack marks, but no visible scribing,

At the corner point

Set an aluminum post, 30 inches long, 2 1/2 inches in diameter, 24
 inches in the ground, and encircled with a mound of stones, 3 1/2
 ft. base, to top, with aluminum cap marked:



NAD 83, Latitude: 40°36'19.6916" N., Longitude: 111°39'12.3948" W.

Dependent Resurvey of Mineral Survey 6188
 Big Cottonwood Mining District
 In Sections 30 and 31
 Township 2 South, Range 3 East, Salt Lake Meridian, Utah

Survey executed by Edward Nissan in 1911

Metes and Bounds Survey for the Exterior Boundaries for the
 following Mineral Lode:

J. Cardiff Lode

From Corner No. 1, Cardiff Lode, Mineral Survey 6188, hereinbefore
 described.

N. 10° 16.8' E. on line between Lode Corners 4 and 1, Cardiff Lode,
 Mineral Survey 6188.

DEPENDENT RESURVEY OF MINERAL SURVEY 6188
BIG COTTONWOOD MINING DISTRICT
IN SECTIONS 30 AND 31
T. 2 S., R. 3 E., SALT LAKE MERIDIAN, UTAH

CHAINS
(FEET)

2.680 Center Line of Mill 'D' South Fork Creek, and a seasonal stream.
(176.91)

4.561 Intersection Point on Line between Lode Corners 1 and 4, Ruby Lode,
(301.04) Mineral Survey 5581, monumented with an aluminum post set during
this survey.

4.812 Intersect Section Line between Sections 30 and 31, Not Monumented.
(317.57)

10.460 Intersection Point on Line between Lode Corners 13 and 14, Evarena
(690.33) Lode, Lot 180, Not Monumented.

13.603 Intersection Point on Line between Lode Corners 2 and 3, Ruby Lode,
(897.80) (Not Patented), Mineral Survey 5581, Not Monumented.

20.150 Center Line of abandoned Cardiff Fork mining road bears S. 10° E.
(1329.91) and N. 10° W.

21.165 Corner No. 4, Cardiff Lode, Mineral Survey 6188, monumented with a
(1396.91) small old mound of stones. From which Corner No. 14, Evarena Lode,
Lot 180, bears N. 52° 45.6' E., 3.995 chains distance, (461.64 ft.),
(record N. 52° 28' E., 462.00 ft. distance).

Corner No. 4 was Not Remonumented.

NAD 83, Latitude: 40°36'36.8988" N., Longitude: 111°39'15.3086" W.

From the corner, the Center Line of West Fork of the abandoned
Cardiff Fork mining road is S. 80° W., 33.3 links distance,
(22.00 ft.). The road bears S. 10° E. and N. 10° W.

S. 51° 48.2' E. on line between Lode Corners 3 and 4, Cardiff Lode,
Mineral Survey 6188.

2.798 Center Line of Mill 'D' South Fork Creek, a seasonal stream at this
(184.69) location.

3.116 Intersection Point on Line between Lode Corners 13 and 14, Evarena
(205.65) Lode, Lot 180, monumented with an aluminum post set during this
survey.

5.617 Intersection Point on Line between Lode Corners 1 and 2, Ruby Lode
(370.69) No. 3, Mineral Survey 5581, monumented with an aluminum post set
during this survey.

7.071 Center Line of abandoned gravel road going to the Cardiff Mine,
(466.69) bears N. 25° E. and S. 25° W.

DEPENDENT RESURVEY OF MINERAL SURVEY 6188
 BIG COTTONWOOD MINING DISTRICT
 IN SECTIONS 30 AND 31
 T. 2 S., R. 3 E., SALT LAKE MERIDIAN, UTAH

CHAINS
 (FEET)

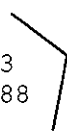
7.738 Corner No. 3, Cardiff Lode, Mineral Survey 6188, monumented with a
 (510.69) badly rotted squared post, possibly original, in a large mound of
 stones, from which an original bearing tree:

A spruce, 20 inches in diameter, bears N. 86° E., 59.1 links
 distance, (39.00 ft.), with scribing "3 88" still visible.

At Corner No. 3

Set an aluminum post, 30 inches long, 2 1/2 inches diameter, 24
 inches in the ground, and encircled with a mound of stone, 3 1/2 ft.
 base, 8 inches high, with aluminum cap marked:

COR 3
 MS6188
 2003



NAD 83, Latitude: 40°36'33.7797" N., Longitude: 111°39'10.1073" W.

From which new bearing trees

A balsam, 6 inches in diameter, bears due North, 18.5 links
 distance, (12.20 ft.).

A balsam, 14 inches in diameter, bears S. 37° E., 18.9 links
 distance, (12.50 ft.).

Both trees are base blazed with no scribing and have 20d nails
 driven at the base on the front and on the side.

Deposited wood post alongside the aluminum post.

From which

The Cardiff Mine tunnel entrance (ruins), S. 28° 34' W., 6.833
 chains distance, (451.00 ft.).

The Center Line of abandoned Cardiff Fork road is East 98.5 links
 distance, (65.00 ft.).

The road bears S. 10° W. and N. 05° W.

S. 7° 03.3' W. on line between Lode Corners 2 and 3, Cardiff Lode,
 Mineral Survey 6188.

DEPENDENT RESURVEY OF MINERAL SURVEY 6188
BIG COTTONWOOD MINING DISTRICT
IN SECTIONS 30 AND 31
T. 2 S., R. 3 E., SALT LAKE MERIDIAN, UTAH

CHAINS

(FEET)

2.716 (179.26)	Center Line of abandoned Cardiff Fork mining road bears N. 60° E. and S. 60° W.
8.474 (559.26)	Center Line of abandoned Cardiff Fork mining road bears S. 45° E. and N. 20° W.
11.369 (750.34)	Intersect Section Line between Section 30 and 31, Not Monumented.
13.141 (867.31)	Intersection Point on Line between Lode Corners 1 and 4 Ruby Lode, Mineral Survey 5581, Not Monumented.
13.777 (909.26)	Abandoned Cardiff Fork road coincides with line, bears N. 15° E. and S. 07° W.
14.292 (943.26)	Abandoned Cardiff Fork road leaves line.
15.095 (996.26)	Head of a dry gulch, drains N. 20° W.
15.989 (1055.26)	Center Line of abandoned Cardiff Fork mining road bears N. 50° E. and S. 50° W.
21.171 (1397.26)	Old wagon road (dirt) bears South-Easterly and North-Westerly.
21.777 (1437.26)	Corner No. 2, Cardiff Lode, Mineral Survey 6188, identical with Corner No. 1, Barnegat Lode No. 5, Mineral Survey 5749. heretofore described.

THE UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD ASSISTANTS FOR NATIONAL FOREST SERVICE

NAMES	CAPACITY
William G. Dempsey	Principal Assistant Surveyor
Calvert Norton	Surveying Technician
Oliver Boone	Surveying Technician
Keith Batty	Surveying Technician
Tony Neilson	Surveying Technician
Daniel Gillins	Surveying Technician

FIELD ASSISTANTS FOR BUREAU OF LAND MANAGEMENT

NAMES	CAPACITY
Ronald K. Baugh	Section Field Chief
Frank C. Profaizer	Section Office Chief

CERTIFICATE OF SURVEY

I, **Sandra Lewis, Lead Land Surveyor** and **William G. Dempsey, Principal Assistant Surveyor**, hereby certify upon honor that, in pursuance of special instructions bearing the date of the **26th day of September, 2003**, we have **executed a Dependent Resurvey of a portion of the West boundary, a portion of the Subdivisional Lines, portions of the Big Cottonwood Mining District, Mineral Surveys, Lot 180, Mineral Survey 5581, (unpatented), Mineral Survey 5749, and Mineral Survey 6188, in Township 2 South, Range 3 East, of the Salt Lake Meridian, in the State of Utah**, which are represented in the foregoing Field Notes as having been executed by me and under my direction; and that said survey has been made in strict conformity with said special instructions, the Manual of Instructions for the Survey of the Public Lands of the United States, and in specific manner described in the foregoing field notes.

July 17, 2007
Date

Sandra Lewis
(Lead Land Surveyor)

July 10, 2007
Date

William G. Dempsey
(Principal Assistant Surveyor)

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT
Salt Lake City, Utah

The foregoing field notes of the **Dependent Resurvey of a portion of the West boundary, a portion of the Subdivisional Lines, portions of the Big Cottonwood Mining District, Mineral Surveys, Lot 180, Mineral Survey 5581, (unpatented), Mineral Survey 5749, and Mineral Survey 6188, in Township 2 South, Range 3 East, Salt Lake Meridian, Utah,**

executed by **Sandra Lewis, Lead Land Surveyor** and **William G. Dempsey, Principal Assistant Surveyor**, having been critically examined and found correct, are hereby approved.

August 17, 2007
Date

Daniel W. Webb
Chief Cadastral Surveyor for Utah